BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads at Ward No. 08, Kodigehalli in Muneshwara Block.**

							Estimate Cost:		2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earth work excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15m, and lift of 1.5m, (when earth Is taken from bank cutting of from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) MORTH chapter 3. **No. 150 / Item No. 19.3/ PWD SR 2012-13**	Cum							
	Road A		1	87.00	4.00	0.15	52.20		
	Road B		1	130.00	4.00	0.15	78.00		
	Road C		1	155.00	4.00	0.15	93.00		
	Road D		1	90.00	4.00	0.15	54.00		
	Road E		1	160.00	4.00	0.15	96.00		
	Road F		1	218.00	4.50	0.15	146.55		
							519.75	74.52	**38732.00**
	Basic Rate	69.00							
	Area Weightage @8%	5.52							
	Total	**74.52**							
2	KSRRB 300-58: **Compaction of original ground with maximum** of 6 passes of 8 to 10 tonnes power roller including filling in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH chapter 3, **No.158 / Item No. 19.64 / PWD SR 2012-13**	Sqm							
	Road A		1	87.00	4.00		348.00		
	Road B		1	130.00	4.00		520.00		
	Road C		1	155.00	4.00		620.00		
	Road D		1	90.00	4.00		356.00		
	Road E		1	160.00	4.00		640.00		
	Road F		1	218.00	4.50		981.00		
							3465.00	3.78	**13098.00**
	Basic Rate	3.50							
	Area Weightage @8%	0.28							
	Total	**3.78**							
3	KSRRB 300-64.2: extra for watering the earth of bring the earth upto required optimum moisture content manually including cost of all labour complete as per specifications, **No.159 / Item No. 19.72 / PWD SR 2012-13**	Cum							
	Road A		1	87.00	4.00		348.00		
	Road B		1	130.00	4.00		520.00		
	Road C		1	155.00	4.00		620.00		
	Road D		1	90.00	4.00		356.00		
	Road E		1	160.00	4.00		640.00		
	Road F		1	218.00	4.50		981.00		
							3465.00	1.89	**6549.00**
	Basic Rate	1.75							

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AE-08

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @8%	0.14							
	Total	**1.89**							
4	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 168 / Item No. 20.18/ PWD SR 2012-13**	Cum							
	Road A		1	87.00	4.00	0.20	69.00		
	Road B		1	130.00	4.00	0.20	104.00		
	Road C		1	155.00	4.00	0.20	124.00		
	Road D		1	90.00	4.00	0.20	72.00		
	Road E		1	160.00	4.00	0.20	128.00		
	Road F		1	218.00	4.50	0.20	196.00		
							693.00	1059.48	**734220.00**
	Basic Rate	981.00							
	Area Weightage @8%	78.48							
	Total	**1059.48**							
5	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 172 / Item No. 21.6/ PWD SR**	Sqm							
	Road A		1	87.00	4.00		348.00		
	Road B		1	130.00	4.00		520.00		
	Road C		1	155.00	4.00		620.00		
	Road D		1	90.00	4.00		356.00		
	Road E		1	160.00	4.00		640.00		
	Road F		1	218.00	4.50		981.00		
							3465.00	39.64	**137339.00**
	Basic Rate	36.70							137352.60
	Area Weightage @ 8%	2.94							
	Total	**39.64**							
6	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No.**	Cum							
	Road A		1	87.00	4.00	0.025	8.70		
	Road B		1	130.00	4.00	0.025	13.00		
	Road C		1	155.00	4.00	0.025	15.50		
	Road D		1	90.00	4.00	0.025	9.00		

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Assistant Executive Engineer,
Kodigehalli Sub Division,
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Bangalore.

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Road E		1	160.00	4.00	0.025	16.00		
	Road F		1	218.00	4.50	0.025	24.43		
							86.63	8992.08	**778984.00**
	Basic Rate	8326.00							
	Area Weightage @ 8%	666.08							
	Total	**8992.08**							
7	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 150 /**	Cum							
	Road A Desilting of Drain		2	87.00	0.45	0.25	19.58		
	Road B		2	130.00	0.45	0.25	29.25		
	Road C		2	100.00	0.45	0.25	22.50		
	Road D		2	90.00	0.45	0.25	20.25		
	Road E		2	125.00	0.45	0.25	28.13		
	Road F		2	100.00	0.45	0.25	22.05		
							141.75	58.32	**8267.00**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
8	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32/ PWD SR 2012-13**	Sqm							
	Road A Desilting of Drain		2	87.00		1.35	234.90		
	Road B		2	130.00		1.35	351.00		
	Road C		2	100.00		1.35	270.00		
	Road D		2	90.00		1.35	243.00		
	Road E		2	125.00		1.35	337.50		
	Road F		2	98.00		1.35	264.60		
							1701.00	44.47	**75651.00**
	Basic Rate	41.18							75643.47
	Area Weightage @ 8%	3.29							
	Total	**44.47**							
9	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33/ PWD SR**	Sqm							
	Culvert		Qty Vide Item No. 8 (90%)				**1530.90**	63.00	**96441.00**
	Basic Rate	58.33							96446.70
	Area Weightage @ 8%	4.67							
	Total	**63.00**							
10	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 28 / Item No. 5.31.1/ PWD SR 2012-**	Sqm							
	Culvert Coping		Qty Vide Item No. 8 (10%)				**170.10**	315.36	**53643.00**
	Basic Rate	292.00							
	Area Weightage @ 8%	23.36							
	Total	**315.36**							
18	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (	Cum							
			Vide Item No. 1+2+3				**661.50**	81.00	**53582.00**
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	12.80							

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Assistant Executive Engineer
Kodigehalli Sub Division
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Bangalore.

	Average weight of earth 1.28 tonne/Kg fc	62.20							
	Ad ading and unloading vide item No. 1	75.00							
	Area Weightage @ 8%	6.00							
	Total	81.00							3529.2
12	Miscesallaneous Charges	L/S							3541.13
								Total	2000000.00

(Rupees:- Twenty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2012-2013.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Assistant Engineer
Ward No. 08

AE

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
Byatarayanapura Division
BBMP

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

ADMINISTRATIVELY SANCTIONED FOR Rs. 20 Lakhs
Rupees Twenty Lakhs Only
Under MLA Grants
Registered as EE ( ) No 9 9
Subject to conditions contained in
enclosed memo EE ( ) No 910 /9/ 2012-13
Dt 5/2/2013 Estimate A/Sanctioned
JC(Yel) ALA No 910/2012-13
dated 5/2/2013 Rs 20 Lakh

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

5/2/13

Technical Sanction for Rs. 20.00 lakh
Twenty lakhs only
MLA Grants
Registered as EE No: 74 /12-13 Subject to conditions contained enclosed memo.
No: 74 /12-13 Dt. 6.2.13

AE/JE

EE, BTP. Div.)

Muneshwara Block:-

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore